



Base from digital plot of Lambert conformal conic projection, 1981

0 2 4 MILES
0 2 4 6 KILOMETERS

AVERAGE 1978-80 SATURATED THICKNESS OF THE OGALLALA AQUIFER

HYDROLOGIC MAPS OF OGALLALA AQUIFER, WEST-CENTRAL KANSAS

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AVERAGE 1978-80 SATURATED THICKNESS OF THE OGALLALA AQUIFER

A map showing the saturated thickness of the Ogallala aquifer in the Management District was constructed by comparing the estimated 1978-80 water-table altitudes and the estimated bedrock-surface altitudes (based on data from Pabst, 1979b). The differences in altitudes of each saturated thickness in the figure were converted to thicknesses. The 1-mile contour interval contours were computer-drawn based on that data.

In a general way, the thickness of saturated material may be related to the volume of water in storage. Areas having the greatest saturated thickness have the greatest volume available for irrigation.

Average 1978-80 saturated thicknesses of the Ogallala aquifer in the Management District range from about 0 to 250 feet.